

Search Session History

BROWSE

SEARCH

IEEE Xplore Guide

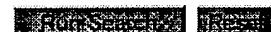
Mon, 1 Jan 2007, 4:52:49 PM EST

Edit an existing query or
compose a new query in the
Search Query Display.

Select a search number (#):
to:

- Add a query to the Search Query Display
- Combine search queries using AND, OR, or NOT
- Delete a search
- Run a search

Search Query Display



Recent Search Queries

#1 (((park* and sens* and (mimo* <or> (multiple <near/1> input* <or> (multiple <near/2> output*)) <and> (rear* <near/2> bumper*))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2003))

#2 (((park* and sens* and (mimo* <or> (multiple <near/1> input* <or> (multiple <near/2> output*)) <and> (rear* <near/2> bumper*))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2003))

#3 park* and sens* and (mimo* <or> (multiple* <near/2> input* <or> (multiple* <near/2> output*)) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#4 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#5 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> (rear* <near/3> bumper*)<in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#6 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> (rear* <near/3> bumper*)<in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#7 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#8 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#9 park* and sens* and (mimo* <or> (multiple* <near/2> input* <or> (multiple* <near/2> output*)) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#10 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

#11 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*)) <and> (rear* <near/3> bumper*)<in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003))

Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L21 and (MIMO or ((multiple\$ adj output\$) same (multiple\$ adj input\$)))	4

Database: US Patent Full Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:	<input type="text"/>	<input type="button" value="Refine Search"/>
	<input type="button" value="Recall Text"/>	<input type="button" value="Clear"/>
	<input type="button" value="Interrupt"/>	

Search History

DATE: **Monday, January 01, 2007** **Purge Queries** **Printable Copy** **Create Case**

<u>Set</u>	<u>Hit</u>	<u>Set</u>
<u>Name</u>	<u>Count</u>	<u>Name</u>
side by side		result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L22 L21 and (MIMO or ((multiple\$ adj output\$) same (multiple\$ adj input\$)))	4	L22
L21 L18 OR L19 OR L20	292	L21
<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L20 ("20050165525" "20050162261" "6114950" "5400246")[URPN]	219	L20
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L19 L17	4	L19
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
(4250554 4962473 4641262 5650765 4831568 4379336 4303973 4181959 4477809 4418333 4621334 3955073 3654449 3961168		

3634824 4967860 5099444 3971000 4864519 5764136 4084249		
4201908 4663704 4371871 4782448 4695880 4648123 4524354		
3922629 4195348 4284849 4821221 4885580 4101883 4852031		
<u>L18</u> 4928099 4908612 4935875 4396977 4755808 4945473 4151596	69	<u>L18</u>
4947367 4779079 3899772 4920481 5220522 4882684 4852032		
4823122 4710869 4213035 4797673 5574426 4704604 4370727		
3898643 4480312 4371922 4181960 5844471 4467313 4551722		
5373482 4695833 4829472 5065360 4669053 4903004)! [PN]		
<i>DB=PGPB, USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L17</u> ("20050165525" "20050162261" "6114950" "5400246") [PN]	4	<u>L17</u>
<i>DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L16</u> L14 AND (REAR\$ SAMEBUMPER\$) AND THRESHOLD\$	5	<u>L16</u>
<u>L15</u> L14 AND (REAR\$ WITH BUMPER\$)	1	<u>L15</u>
<u>L14</u> L12 OR L13	62	<u>L14</u>
<u>L13</u> @Pd<=20040122 and PARK\$ and (MIMO or ((multiple\$ adj output\$) same (multiple\$ adj input\$)) and (car or vehicle or automobile))	37	<u>L13</u>
<u>L12</u> @ad<=20040122 and PARK\$ and (MIMO or ((multiple\$ adj output\$) same (multiple\$ adj input\$)) and (car or vehicle or automobile))	62	<u>L12</u>
<u>L11</u> L10 and MIMO\$	38	<u>L11</u>
<u>L10</u> @ad<=20040122 and PARK\$ and (MIMO or ((multiple\$ adj2 output\$) same (multiple\$ adj2 input\$)) and (car or vehicle or automobile))	126	<u>L10</u>
<u>L9</u> @ad<=20040122 and PARK\$ and (MIMO or ((multiple\$ near3 output\$) and (multiple\$ near3 input\$)) and (car or vehicle or automobile))	607	<u>L9</u>
<u>L8</u> L4 and L7	7	<u>L8</u>
<u>L7</u> L5 or 701/49.ccls.	3593	<u>L7</u>
<u>L6</u> L4 and L5	7	<u>L6</u>
<u>L5</u> 340/435.ccls. or 342/070.ccls. or 348/148.ccls. or 701/36.ccls.	3238	<u>L5</u>
<u>L4</u> L2 or L3	17	<u>L4</u>
<u>L3</u> @pd<=20040122 and PARK\$ and (RF\$ adj signal\$) and (rear\$ with bumper\$) AND (car\$ or vehicle\$ or automobile)	10	<u>L3</u>
<u>L2</u> @ad<=20040122 and PARK\$ and (RF\$ adj signal\$) and (rear\$ with bumper\$) AND (car\$ or vehicle\$ or automobile)	17	<u>L2</u>
<u>L1</u> @ad<=20040122 and PARK\$ and (RF adj signal) and (MIMO or ((multiple adj output\$) and (multiple adj input\$)) and (rear\$ with bumper\$) AND (car or vehicle or automobile))	1	<u>L1</u>

END OF SEARCH HISTORY

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 17 of 17 returned.

1. Document ID: US 20050165525 A1

L2: Entry 1 of 17

File: PGPB

Jul 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050165525

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050165525 A1

TITLE: Parking guidance system for large vehicles

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME

Li, Shih-Hsiung

CITY

Taipei

STATE

COUNTRY

TW

US-CL-CURRENT: 701/36; 348/148

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw
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2. Document ID: US 20040119633 A1

L2: Entry 2 of 17

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040119633

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040119633 A1

TITLE: Methods and apparatus for obtaining positional information

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:

NAME

Oswald, Gordon Kenneth Andrew

CITY

Huntingdon

STATE

GB

Richardson, Alan Trevor

Ely

GB

Burchett, Michael Hugh

Chesterton

GB

Clouston, Eric Nicol

Chesterton

GB

Toutoungi, Danielle Emma

Leamington Spa

GB

US-CL-CURRENT: 342/70; 340/435, 340/436, 340/903, 342/146, 342/147, 342/72[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#) 3. Document ID: US 20030221118 A1

L2: Entry 3 of 17

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030221118

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030221118 A1

TITLE: Automated accounting system that values, controls, records and bills the uses of equipment/vehicles for society

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Walker, Richard C.	Waldorf	MD	US

US-CL-CURRENT: 713/193[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#) 4. Document ID: US 20030151541 A1

L2: Entry 4 of 17

File: PGPB

Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030151541

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030151541 A1

TITLE: Methods and apparatus for obtaining positional information

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Oswald, Gordon Kenneth Andrew	Cambridge		GB
Richardson, Alan Trevor	Cambridge		GB
Burchett, Michael Hugh	Cambridge		GB
Clouston, Eric Nicol	Cambridge		GB
Toutoungi, Danielle Emma	Warwickshire		GB

US-CL-CURRENT: 342/70; 342/22, 342/27, 342/28, 342/71, 342/72[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn De](#)

5. Document ID: US 20030146826 A1

L2: Entry 5 of 17

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030146826

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030146826 A1

TITLE: Back-up aid indicator

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Viana, Luis M.	Wakefield	MA	US
Delcheccolo, Michael J.	Westford	MA	US
Woodington, Walter G.	Lincoln	MA	US
Russell, Mark E.	Westford	MA	US

US-CL-CURRENT: 340/435; 340/436, 340/932.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn	Def
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 6. Document ID: US 20020147534 A1

L2: Entry 6 of 17

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147534

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147534 A1

TITLE: Near object detection system

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Delcheccolo, Michael Joseph	Westford	MA	US
Russell, Mark E.	Westford	MA	US
Woodington, Walter Gordon	Lincoln	MA	US
Pleva, Joseph S.	Londonderry	NH	US
Firda, John M.	Andover	MA	US
Van Rees, H. Barteld	Needham	MA	US

US-CL-CURRENT: 701/45; 340/435, 342/72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn	Def
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7. Document ID: US 20020067287 A1

L2: Entry 7 of 17

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020067287

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020067287 A1

TITLE: Near object detection system

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Delcheccolo, Michael Joseph	Westford	MA	US
Russell, Mark E.	Westford	MA	US
Woodington, Walter Gordon	Lincoln	MA	US
Pleva, Joseph S.	Londonderry	NH	US
Van Rees, H. Barteld	Needham	MA	US

US-CL-CURRENT: 340/901; 340/10.1, 340/435, 340/436, 340/539.1, 340/903, 340/988

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn De
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 8. Document ID: US 7068211 B2

L2: Entry 8 of 17

File: USPT

Jun 27, 2006

US-PAT-NO: 7068211

DOCUMENT-IDENTIFIER: US 7068211 B2

TITLE: Methods and apparatus for obtaining positional information

PRIOR-PUBLICATION:

DOC-ID DATE

US 20030151541 A1 August 14, 2003

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMPC	Drawn De
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 9. Document ID: US 7026922 B1

L2: Entry 9 of 17

File: USPT

Apr 11, 2006

US-PAT-NO: 7026922

DOCUMENT-IDENTIFIER: US 7026922 B1

TITLE: Method and apparatus for automatically identifying the location of pressure sensors in a tire pressure monitoring system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KMPC	Drawn De
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10. Document ID: US 6873250 B2

L2: Entry 10 of 17

File: USPT

Mar 29, 2005

US-PAT-NO: 6873250

DOCUMENT-IDENTIFIER: US 6873250 B2

** See image for Certificate of Correction **

TITLE: Back-up aid indicator using FMCW chirp signal or a time domain pulse signal

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KMPC	Drawn De
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11. Document ID: US 6784828 B2

L2: Entry 11 of 17

File: USPT

Aug 31, 2004

US-PAT-NO: 6784828

DOCUMENT-IDENTIFIER: US 6784828 B2

** See image for Certificate of Correction **

TITLE: Near object detection system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KMPC	Drawn De
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12. Document ID: US 6670910 B2

L2: Entry 12 of 17

File: USPT

Dec 30, 2003

US-PAT-NO: 6670910

DOCUMENT-IDENTIFIER: US 6670910 B2

** See image for Certificate of Correction **

TITLE: Near object detection system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KMPC	Drawn De
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13. Document ID: US 6400308 B1

L2: Entry 13 of 17

File: USPT

Jun 4, 2002

US-PAT-NO: 6400308

DOCUMENT-IDENTIFIER: US 6400308 B1

TITLE: High performance vehicle radar system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KMPC	Drawn De
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14. Document ID: US 6232910 B1

L2: Entry 14 of 17

File: USPT

May 15, 2001

US-PAT-NO: 6232910

DOCUMENT-IDENTIFIER: US 6232910 B1

** See image for Certificate of Correction **TITLE: High performance vehicle radar system

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Drawn De
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 15. Document ID: US 4654834 A

L2: Entry 15 of 17

File: USPT

Mar 31, 1987

US-PAT-NO: 4654834

DOCUMENT-IDENTIFIER: US 4654834 A

** See image for Certificate of Correction **

TITLE: Weatherproofed ultrasonic transducer assembly and systems incorporating same

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Drawn De
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 16. Document ID: US 4361202 A

L2: Entry 16 of 17

File: USPT

Nov 30, 1982

US-PAT-NO: 4361202

DOCUMENT-IDENTIFIER: US 4361202 A

** See image for Certificate of Correction **

TITLE: Automated road transportation system

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Drawn De
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 17. Document ID: US 20050165525 A1

L2: Entry 17 of 17

File: DWPI

Jul 28, 2005

DERWENT-ACC-NO: 2005-553200

DERWENT-WEEK: 200556

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TITLE: Parking guidance system for large vehicles, has radio console unit comprising RF signal receiver module which receives RF signals from RF signal transmitter module of data collection system installed in horizontal bar

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMNC	Drawn De
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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

@ad<=20040122 and PARK\$ and (RF\$ adj signal\$)
and (rear\$ with bumper\$) AND (car\$ or
vehicle\$ or automobile)

17

Display Format: [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Mon, 1 Jan 2007, 4:52:49 PM EST

Search Query Display

Recent Search Queries

#1 (((park* and sens* and (mimo* <or> (multiple <near/1> input* <or> (multiple <near/2> output*))) <and> (rear* <near/2> bumper*))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2003)

#2 (((park* and sens* and (mimo* <or> (multiple <near/1> input* <or> (multiple <near/2> output*))) <and> (rear* <near/2> bumper*))<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2003) 0

#3 park* and sens* and (mimo* <or> (multiple* <near/2> input* <or> (multiple* <near/2> output*))) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 171

#4 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 144

#5 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> (rear* <near/3> bumper*) <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 0

#6 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> (rear* <near/3> bumper*) <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 0

#7 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 144

#8 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 144

#9 park* and sens* and (mimo* <or> (multiple* <near/2> input* <or> (multiple* <near/2> output*))) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 171

#10 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> rear* <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 144

#11 park* and sens* and (mimo* <or> (multiple* <near/1> input* <or> (multiple* <near/1> output*))) <and> (rear* <near/3> bumper*) <in>pdfdata <and> (pyr >= 1950 <and> pyr <= 2003) 0

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Select a search index to:

Results

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- Run a search